

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0009	Overall LMA Rating	Total LMA Miles						
Lake County Watershed Protection District	A	9.89						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.24		0.24	2.43%	0.01			
Trim / Thin Trees	0.35		0.35	3.54%				
Encroachments	0.01		0.01	0.10%	0.30	0.04		
Slope Stability	0.04		0.04	0.40%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.25	0.02		
<i>LMA Totals:</i>	0.64	0.00	0.64	6.47%	0.56	0.06	0.00	0.00
Unit No. 01 Middle Creek LB	Overall Unit Rating	Total Unit Miles						
NA0009	A	3.35						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.14		0.14	4.18%	0.01			
Trim / Thin Trees	0.05		0.05	1.49%				
Encroachments					0.27			
Slope Stability	0.04		0.04	1.19%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03			
<i>Unit Totals:</i>	0.23	0.00	0.23	6.86%	0.31	0.00	0.00	0.00
Unit No. 02 Middle Creek RB	Overall Unit Rating	Total Unit Miles						
NA0009	A	2.66						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.75%				
Trim / Thin Trees	0.17		0.17	6.38%				
Encroachments	0.01		0.01	0.38%	0.01	0.04		
<i>Supplemental</i>								
DWR UCIP Field Study					0.08	0.01		
<i>Unit Totals:</i>	0.20	0.00	0.20	7.51%	0.09	0.05	0.00	0.00
Unit No. 03 Scotts Creek LB	Overall Unit Rating	Total Unit Miles						
NA0009	A	1.36						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.08	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 Page, Alley and Clover Creek Diversion RB	Overall Unit Rating	Total Unit Miles						
NA0009	M	1.49						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.07		0.07	4.71%				
Trim / Thin Trees	0.13		0.13	8.74%				
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.01	0.01		
<i>Unit Totals:</i>	0.20	0.00	0.20	13.45%	0.02	0.01	0.00	0.00

Unit No. 05 Clover Creek and Clover Creek Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0009	A	1.03						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.97%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.06			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.97%	0.06	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Lake County Watershed Protection District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 01 Middle Creek			Left	3.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/09/2015 - 04/09/2015		11/12/2015 - 11/12/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake County		Tom Smythe Lake County	
			Will Evans Lake County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	1	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Operations & Maintenance Manuals				o	
					o	
DWR ID	DWR_NA0009_01_s _ 2013_1					
Action/Comments						
Inspector Comments: The LMA has the O&M manuals.						

No Photos

LM Start		Rating **	A	Issue No.	9	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				o	
					o	
DWR ID	DWR_NA0009_01_s _ 2013_9					
Action/Comments						
Inspector Comments: The LMA has adequate flood fight supplies and equipment.						

No Photos

LM Start		Rating **	A	Issue No.	10	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_NA0009_01_s _ 2013_10					
Action/Comments						
Inspector Comments: The LMA completed flood fight training in 2014.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.12	Rating **	M	Issue No.	12
LM End	0.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.188877 °	39.188877 °
				-122.907581 °	-122.907581 °
DWR ID	DWR_NA0009_01_s _ 2013_12				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2015_NA0009_3_12_20150910_00006.jpg



View of the unauthorized encroachment fence along landside slope.

LM Start	0.14	Rating **	M	Issue No.	24
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.188465 °	39.187392 °
				-122.907687 °	-122.907885 °
DWR ID	DWR_NA0009_01_f _ 2015_24				
Action/Comments					
Fence					
Inspector Comments: Remove the fence from the landside toe.					

Photo 1 of 1 : FA_2015_NA0009_3_24_20151112_00022.jpg



View of the fence along the landside toe.

LM Start	0.26	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186777 °	39.186777 °
				-122.908102 °	-122.908102 °
DWR ID	DWR_NA0009_01_s _ 2013_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Remove the trees from the landside slope.					

Photo 1 of 2 : FA_2015_NA0009_3_11_20150910_00005.jpg



Remove the trees from the landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.26	Rating **	M	Issue No.	11 (cont)
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186777 °	39.186777 °
				-122.908102 °	-122.908102 °
DWR ID	DWR_NA0009_01_s _ 2013_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Remove the trees from the landside slope.					

Photo 2 of 2 : FA_2015_NA0009_3_11_20151112_00017.jpg



Remove the trees from the landside slope.

LM Start	0.32	Rating **	M	Issue No.	21
LM End	0.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.186055 °	39.186055 °
				-122.908583 °	-122.908583 °
DWR ID	DWR_NA0009_01_f _ 2015_21				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside slope.					

Photo 1 of 1 : FA_2015_NA0009_3_21_20151112_00019.jpg



Remove the prunings from the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	535
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183519 °	39.183519 °
				-122.911379 °	-122.911379 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26943 DS_ID:21193 EP_NO: 5237 FS_HLM: 0.558 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe possibly sleeved through an 8-inch steel pipe, 3.0-feet below the crown. Siphon breaker in 24-inch CMP riser on the landward slope. Reinforced concrete cutoff wall at center of levee. Butterfly valve on the waterward side at pump on concrete base on the waterward bank, installed under Permit No. 5237 (1971). Pole on the waterward berm, with overhead power line supplying electricity to pump. Originally included in the 1961 O+M manual. FS Date: 01/09/2014					

LM Start	0.56	Rating **	M	Issue No.	535 (cont)
LM End	0.56	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3427.jpg



Power pole, meter, and pump visible on WS berm.

Photo 2 of 3 : UCIP_FA_2015_3428.jpg



Pipe and siphon breaker visible on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	535 (cont)
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183519 °	39.183519 °
				-122.911379 °	-122.911379 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26943					
DS_ID:21193					
EP_NO: 5237					
FS_HLM: 0.558					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3429.jpg



Pump and butterfly valve on WS berm.

LM Start	0.84	Rating **	M	Issue No.	536
LM End	0.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.179534 °	39.179534 °
				-122.912512 °	-122.912512 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26946 DS_ID:21196 EP_NO: N/A FS_HLM: 0.845 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and pipe appear abandoned and should be done so properly. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Siphon breaker in 24-inch CMP riser on landward slope. Pump on the waterward bank with a butterfly valve. Service pole on the waterward berm. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.83). FS Date: 01/09/2014					

Photo 1 of 3 : UCIP_FA_2015_3439.jpg



Pump and butterfly valve visible on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.84	Rating **	M	Issue No.	536 (cont)
LM End	0.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.179534 °	39.179534 °
				-122.912512 °	-122.912512 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:26946
 DS_ID:21196
 EP_NO: N/A
 FS_HLM: 0.845
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pump and pipe appear abandoned and should be done so properly.
 FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Siphon breaker in 24-inch CMP riser on landward slope. Pump on the waterward bank with a butterfly valve. Service pole on the waterward berm. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.83).
 FS Date: 01/09/2014

LM Start	0.84	Rating **	M	Issue No.	536 (cont)
LM End	0.84	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3440.jpg



Pump, pole, and meter on WS berm.

Photo 3 of 3 : UCIP_FA_2015_3441.jpg



Siphon breaker in 24-inch cmp riser with vent on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.57	Rating **	M	Issue No.	290
LM End	1.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.169918 °	39.169918 °
				-122.915197 °	-122.915197 °
DWR ID	DWR_NA0009_01_f_2014_290				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0009_3_290_20150910_00012.jpg



View of the prunings along the landside toe.

LM Start	1.75	Rating **	A	Issue No.	22
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.167267 °	39.167267 °
				-122.915587 °	-122.915587 °
DWR ID	DWR_NA0009_01_f_2015_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Lake Co. mowed both slopes.					

Photo 1 of 1 : FA_2015_NA0009_3_22_20151112_00020.jpg



View of no vegetation on both slopes.

LM Start	2.29	Rating **	M	Issue No.	13
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.160285 °	39.160285 °
				-122.913481 °	-122.913481 °
DWR ID	DWR_NA0009_01_s_2013_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0009_3_13_20150910_00007.jpg



View of the vehicle erosion along the waterside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.35	Rating **	M	Issue No.	537
LM End	2.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:27004 DS_ID:21199 EP_NO: 11460 FS_HLM: 2.353 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation on LS at inlet should be removed. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on waterward end. Concrete headwall on both ends. Originally included in 1961 O+M manual. Pipe retained under ABO No. 11460 (1975). FS Date: 01/14/2014					

LM Start	2.35	Rating **	M	Issue No.	537 (cont)
LM End	2.35	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_3469.jpg



Concrete U-shaped headwall and flap gate on WS berm.

Photo 2 of 3 : UCIP_FA_2015_3470.jpg



Concrete U-shaped headwall on WS berm.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.35	Rating **	M	Issue No.	537 (cont)
LM End	2.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27004					
DS_ID:21199					
EP_NO: 11460					
FS_HLM: 2.353					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3471.jpg



Heavy vegetation at inlet on LS toe.

LM Start	2.36	Rating **	M	Issue No.	14
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161153 °	39.161153 °
				-122.912740 °	-122.912740 °
DWR ID	DWR_NA0009_01_s_2013_14				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0009_3_14_20150910_00008.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.38	Rating **	M	Issue No.	15
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.161381 °	39.161708 °
				-122.912551 °	-122.912168 °
DWR ID	DWR_NA0009_01_s_2013_15				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_NA0009_3_15_20150910_00009.jpg



Trim the trees up 5 feet to allow visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.38	Rating **	M	Issue No.	23
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.161415 °	39.161722 °
				-122.912493 °	-122.912153 °
DWR ID	DWR_NA0009_01_f _ 2015_23				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the vegetation from the landside slope and toe.					

Photo 1 of 1 : FA_2015_NA0009_3_23_20151112_00021.jpg



View of the vegetation along the landside slope & toe.

LM Start	2.40	Rating **	M	Issue No.	16
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161601 °	39.161601 °
				-122.912303 °	-122.912303 °
DWR ID	DWR_NA0009_01_s_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0009_3_16_20150910_00010.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.42	Rating **	M	Issue No.	17
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161802 °	39.161802 °
				-122.912020 °	-122.912020 °
DWR ID	DWR_NA0009_01_s_2013_17				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0009_3_17_20150910_00011.jpg



View of the erosion caused by vehicle along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.47	Rating **	M	Issue No.	7
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.161692 °	39.160217 °
				-122.911748 °	-122.912957 °
DWR ID	DWR_NA0009_01_s _ 2012_7				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_NA0009_3_7_20150910_00004.jpg



View of a building & fence along the toe of the levee.

LM Start	2.48	Rating **	M	Issue No.	3
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.161615 °	39.160795 °
				-122.911733 °	-122.912442 °
DWR ID	DWR_NA0009_01_s _ 2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0009_3_3_20150910_00001.jpg



View of the vegetation along the landside slope.

LM Start	2.58	Rating **	M	Issue No.	4
LM End	2.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.160398 °	39.159952 °
				-122.912837 °	-122.913220 °
DWR ID	DWR_NA0009_01_s _ 2012_4				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2015_NA0009_3_4_20150910_00002.jpg



View of the fences at the Landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.64	Rating **	M	Issue No.	5
LM End	2.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.159657 °	39.159657
				-122.913345 °	-122.913345
DWR ID	DWR_NA0009_01_s _ 2012_5				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2015_NA0009_3_5_20150910_00003.jpg



View of the landscape along the landside slope.

LM Start	2.67	Rating **	M	Issue No.	6
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.159117 °	39.158408 °
				-122.913442 °	-122.913557 °
DWR ID	DWR_NA0009_01_s _ 2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.24	Rating **	M	Issue No.	534
LM End	3.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.151148 °	39.151148 °
				-122.913652 °	-122.913652 °
DWR ID	DWR_NA0009_01_s _ 2015_534				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_NA0009_3_534_20150910_00013.jpg



Remove the trees from the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 02 Middle Creek			Right	2.66
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/09/2015 - 04/09/2015		11/12/2015 - 11/12/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake County		Tom Smythe Lake County	
			Will Evans Lake County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	4
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.189540 °	39.187900 °
				-122.908065 °	-122.908655 °
DWR ID	DWR_NA0009_02_s _ 2013_4				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim the trees up 5 feet to allow visibility.					

Photo 1 of 1 : FA_2015_NA0009_4_4_20151112_00018.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	0.08	Rating **	M	Issue No.	19
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188772 °	39.188772 °
				-122.908465 °	-122.908465 °
DWR ID	DWR_NA0009_02_s _ 2014_19				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2015_NA0009_4_19_20150910_00009.jpg



View of the elderberries along the landside toe.

LM Start	0.20	Rating **	U	Issue No.	1
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187039 °	39.187039 °
				-122.908880 °	-122.908880 °
DWR ID	DWR_NA0009_02_s _ 2012_1				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_NA0009_4_1_20150910_00001.jpg



View of the building on the landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.24	Rating **	M	Issue No.	9
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186739 °	39.186038
				-122.909436 °	-122.909948
DWR ID	DWR_NA0009_02_s_2013_9				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim the trees up 5 feet to allow visibility.					

Photo 1 of 1 : FA_2015_NA0009_4_9_20150910_00007.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	0.48	Rating **	M	Issue No.	20
LM End	0.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184080 °	39.184080 °
				-122.912130 °	-122.912130 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27563 DS_ID:24761 EP_NO: N/A FS_HLM: 0.48 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch HDPE irrigation pipe through the levee at unknown depth below the crown. Pipe visible on WS berm slope. Pumphouse on LS toe. FS Date: 01/14/2014					

Photo 1 of 3 : UCIP_FA_2015_3121.jpg



cut across levee crown visible along pipe alignment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	20 (cont)	
LM End	0.48	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.184080 °	39.184080 °	
				-122.912130 °	-122.912130 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:27563 DS_ID:24761 EP_NO: N/A FS_HLM: 0.48 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch HDPE irrigation pipe through the levee at unknown depth below the crown. Pipe visible on WS berm slope. Pumphouse on LS toe. FS Date: 01/14/2014						

LM Start	0.48	Rating **	M	Issue No.	20 (cont)
LM End	0.48	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3122.jpg



Pipe visible just downstream from stormdrain.

Photo 3 of 3 : UCIP_FA_2015_3123.jpg



Pipe visible just downstream from stormdrain.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.50	Rating **	U	Issue No.	21
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183775 °	39.183775 °
				-122.912187 °	-122.912187 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43053					
DS_ID:21209					
EP_NO: 8513					
FS_HLM: 0.5					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_1200.jpg



Valves visible just off LS toe.

Photo 2 of 3 : UCIP_FA_2015_1201.jpg



Mudpit at WS berm were pipe may be leaking.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.50	Rating **	U	Issue No.	21 (cont)
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183775 °	39.183775 °
				-122.912187 °	-122.912187 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43053					
DS_ID:21209					
EP_NO: 8513					
FS_HLM: 0.5					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1202.jpg



Pump and pipe visible at wooden box on WS berm.

LM Start	0.55	Rating **	M	Issue No.	22
LM End	0.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183130 °	39.183130 °
				-122.912198 °	-122.912198 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27208					
DS_ID:21210					
EP_NO: 11482					
FS_HLM: 0.545					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Fence on LS slope creates access issue.					
FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.54). This pipe was retained under ABO No. 11482 (1975).					
FS Date: 01/14/2014					

Photo 1 of 3 : UCIP_FA_2015_3472.jpg



Flapgate and concrete headwall on WS berm.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	22 (cont)
LM End	0.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183130 °	39.183130 °
				-122.912198 °	-122.912198 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:27208
 DS_ID:21210
 EP_NO: 11482
 FS_HLM: 0.545
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Fence on LS slope creates access issue.
 FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.54). This pipe was retained under ABO No. 11482 (1975).
 FS Date: 01/14/2014

LM Start	0.55	Rating **	M	Issue No.	22 (cont)
LM End	0.55	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3473.jpg



Flapgate and concrete headwall on WS berm.

Photo 3 of 3 : UCIP_FA_2015_3474.jpg



Concrete headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.97	Rating **	M	Issue No.	7
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.177218 °	39.176992 °
				-122.913673 °	-122.913642 °
DWR ID	DWR_NA0009_02_s _ 2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the vegetation from the landside toe.					

Photo 1 of 2 : FA_2015_NA0009_4_7_20150910_00006.jpg



Remove the vegetation from the landside toe.

LM Start	0.97	Rating **	M	Issue No.	7 (cont)
LM End	0.98	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0009_4_7_20151112_00020.jpg



Remove the vegetation from the landside toe.

LM Start	0.99	Rating **	M	Issue No.	5
LM End	0.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176875 °	39.176875 °
				-122.913685 °	-122.913685 °
DWR ID	DWR_NA0009_02_s _ 2012_5				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_NA0009_4_5_20150910_00005.jpg



View of building along the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	3
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176835 °	39.176835
				-122.913558 °	-122.913558
DWR ID	DWR_NA0009_02_s_2012_3				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0009_4_3_20150910_00003.jpg



View of the tree prunings on the W/S toe.

LM Start	0.99	Rating **	U	Issue No.	2
LM End	0.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176815 °	39.176815 °
				-122.913540 °	-122.913540 °
DWR ID	DWR_NA0009_02_s_2012_2				
Action/Comments					
Fence					
Inspector Comments: Unpermitted fence and building.					

Photo 1 of 1 : FA_2015_NA0009_4_2_20150910_00002.jpg



View of the building & fence along the Landside toe.

LM Start	1.09	Rating **	U	Issue No.	10
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175460 °	39.175075 °
				-122.913400 °	-122.913392 °
DWR ID	DWR_NA0009_02_s_2013_10				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2015_NA0009_4_10_20150910_00008.jpg



View of the unauthorized fence along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	23
LM End	1.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.174370 °	39.174370 °
				-122.913543 °	-122.913543 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42994
 DS_ID:21212
 EP_NO: 11483
 FS_HLM: 1.228
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe appears abandoned and if so, should be done so properly. Debris blocking flapgate at outlet.
 FIELD_STRUCT_DESC: 30-inch CM drainpipe through the levee, 17.8 feet below the crown. Slide gate in 44-inch diameter CMP riser waterward slope. Flap gate on the waterward end at concrete headwall. 6'X8' concrete sump at landward toe. (USACE-1961). Originally included in O&M manual (HLM 1.22). This pipe was retained under ABO No. 11483 (1975).
 FS Date: 01/22/2014

LM Start	1.16	Rating **	M	Issue No.	23 (cont)
LM End	1.16	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_3060.jpg



6'X8' concrete sump filled in with soil, visible at LS toe.

Photo 2 of 2 : UCIP_FA_2015_3061.jpg



Slide gate in 44-inch CMP riser on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.70	Rating **	M	Issue No.	24
LM End	1.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167156 °	39.167156 °
				-122.916610 °	-122.916610 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27606					
DS_ID:21214					
EP_NO: 15825					
FS_HLM: 1.767					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.70	Rating **	M	Issue No.	24 (cont)
LM End	1.70	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_3062.jpg



T-post at WS toe may indicate location of pipe end. Covered with soil.

Photo 2 of 2 : UCIP_FA_2015_3063.jpg



Vent on LS shoulder with filter visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.95	Rating **	M	Issue No.	25
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163509 °	39.163509
				-122.916726 °	-122.916726
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27607					
DS_ID:21253					
EP_NO: 18228					
FS_HLM: 2.01					
Repair Type: Non-Urgent					
Crossing Status: Not Found					

No Photos

LM Start	1.96	Rating **	M	Issue No.	26
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163414 °	39.163414 °
				-122.916741 °	-122.916741 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27624					
DS_ID:21243					
EP_NO: 15865					
FS_HLM: 2.027					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Permit number likely revised from 15865. Verify with inspector and modify entry as required.					
FIELD_STRUCT_DESC: 8-inch steel sewer line (pressurized) through the levee, 3.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on waterward levee shoulder. Pipe visible under bridge (Permit No. 15865-1991).					
FS Date: 01/22/2014					

Photo 1 of 2 : UCIP_FA_2015_3064.jpg



Manhole and vent lids visible on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.96	Rating **	M	Issue No.	26 (cont)	
LM End	1.96	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.163414 °	39.163414 °	
				-122.916741 °	-122.916741 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:27624						
DS_ID:21243						
EP_NO: 15865						
FS_HLM: 2.027						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Permit number likely revised from 15865. Verify with inspector and modify entry as required.						
FIELD_STRUCT_DESC: 8-inch steel sewer line (pressurized) through the levee, 3.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on waterward levee shoulder. Pipe visible under bridge (Permit No. 15865-1991).						
FS Date: 01/22/2014						

Photo 2 of 2 : UCIP_FA_2015_3065.jpg



Pipe visible under bridge.

LM Start	2.00	Rating **	M	Issue No.	27
LM End	2.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162753 °	39.162753 °
				-122.916811 °	-122.916811 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27629 DS_ID:21250 EP_NO: 17191 FS_HLM: 2.073 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned, if so it should be done so properly. FIELD_STRUCT_DESC: 2 of 2: 2-inch PVC pipe through the levee, 2.0 feet below the crown. Well and electric pump at waterward toe. Pole and meter(Permit No. 17191-2000) FS Date: 01/22/2014					

Photo 1 of 2 : UCIP_FA_2015_3066.jpg



Meter and control on LS slope next to pole.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.00	Rating **	M	Issue No.	27 (cont)	
LM End	2.00	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.162753 °	39.162753 °	
				-122.916811 °	-122.916811 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:27629 DS_ID:21250 EP_NO: 17191 FS_HLM: 2.073 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned, if so it should be done so properly. FIELD_STRUCT_DESC: 2 of 2: 2-inch PVC pipe through the levee, 2.0 feet below the crown. Well and electric pump at waterward toe. Pole and meter(Permit No. 17191-2000) FS Date: 01/22/2014						

Photo 2 of 2 : UCIP_FA_2015_3067.jpg



Meter and control on LS slope next to pole.

LM Start	2.35	Rating **	A	Issue No.	18
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.158193 °	39.158193 °
				-122.914763 °	-122.914763 °
DWR ID	DWR_NA0009_02_f_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Lake Co. mowed both slopes.					

Photo 1 of 1 : FA_2015_NA0009_4_18_20151112_00021.jpg



View of acceptable vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.84	Rating **	M	Issue No.	28
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151257 °	39.151257 °
				-122.914908 °	-122.914908 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:27630 DS_ID:21215 EP_NO: 11481 FS_HLM: 2.916 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Soil partially blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93). This pipe was retained under ABO No. 11481 (1975). FS Date: 01/22/2014					

LM Start	2.84	Rating **	M	Issue No.	28 (cont)
LM End	2.84	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3221.jpg



Concrete headwall and pipe visible at LS toe.

Photo 2 of 3 : UCIP_FA_2015_3222.jpg



Concrete headwall and flapgate visible at WS berm.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	11/12/2015 11/12/2015	Bob Duffey

LM Start	2.84	Rating **	M	Issue No.	28 (cont)
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151257 °	39.151257 °
				-122.914908 °	-122.914908 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27630					
DS_ID:21215					
EP_NO: 11481					
FS_HLM: 2.916					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3223.jpg



Concrete headwall and pipe visible at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 03 Scotts Creek			Left	1.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/09/2015 - 04/09/2015		11/12/2015 - 11/12/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake County		Tom Smythe Lake County	
			Will Evans Lake County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.54	Rating **	M	Issue No.	10
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.154786 °	39.154786 °
				-122.918703 °	-122.918703 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:27863
 DS_ID:21217
 EP_NO: 11492
 FS_HLM: 0.53
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Vegetation at inlet and wooden box failing at LS toe.
 FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends with a wooden retaining wall drop inlet at LS toe (USACE-1961). Originally included in O&M manual (HLM 0.55). This pipe was retained under ABO No. 11492 (1975). USACE O&M DWG No. CC-4-4-29.
 FS Date: 01/22/2014

LM Start	0.54	Rating **	M	Issue No.	10 (cont)
LM End	0.54	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_3363.jpg



Concrete headwall and flapgate visible at WS berm.

Photo 2 of 3 : UCIP_FA_2015_3364.jpg



Concrete headwall and flapgate visible at WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.54	Rating **	M	Issue No.	10 (cont)
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.154786 °	39.154786 °
				-122.918703 °	-122.918703 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27863					
DS_ID:21217					
EP_NO: 11492					
FS_HLM: 0.53					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3365.jpg



Pipe visible at LS toe covered with vegetation.

LM Start	0.55	Rating **	A	Issue No.	9
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.154887 °	39.154887 °
				-122.918783 °	-122.918783 °
DWR ID	DWR_NA0009_03_f_2015_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Lake Co. mowed both slopes.					

Photo 1 of 1 : FA_2015_NA0009_5_9_20151112_00009.jpg



View of acceptable vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.75	Rating **	M	Issue No.	11
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157443 °	39.157443 °
				-122.920110 °	-122.920110 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:27891
 DS_ID:21219
 EP_NO: 11492
 FS_HLM: 0.738
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Appears abandoned and if so should be done so properly.
 FIELD_STRUCT_DESC: 4-inch steel pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-inch CMP riser on LS shoulder. Pump on concrete platform on waterward side. Hose chute and concrete stairway on waterward slope. This pipe was retained under ABO No. 11492 (1975).
 FS Date: 01/22/2014

LM Start	0.75	Rating **	M	Issue No.	11 (cont)
LM End	0.75	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3385.jpg



Concrete pump pad and electrical works visible on WS berm.

Photo 2 of 3 : UCIP_FA_2015_3386.jpg



Siphon at LS shoulder inside 24-inch CMP riser.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.75	Rating **	M	Issue No.	11 (cont)
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157443 °	39.157443 °
				-122.920110 °	-122.920110 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27891					
DS_ID:21219					
EP_NO: 11492					
FS_HLM: 0.738					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_3387.jpg



Valve visible at bottom of CMP riser on LS shoulder.

LM Start	0.77	Rating **	M	Issue No.	12
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157759 °	39.157759 °
				-122.920301 °	-122.920301 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27892 DS_ID:21220 EP_NO: 11492 FS_HLM: 0.763 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at inlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Concrete spillway on waterward slope to bottom of channel. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.79). This pipe was retained under ABO No. 11492 (1975). FS Date: 01/22/2014					

Photo 1 of 3 : UCIP_FA_2015_3108.jpg



Concrete headwall visible next to concrete standpipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.77	Rating **	M	Issue No.	12 (cont)
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157759 °	39.157759 °
				-122.920301 °	-122.920301 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:27892
 DS_ID:21220
 EP_NO: 11492
 FS_HLM: 0.763
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some sediment buildup at inlet.
 FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Concrete spillway on waterward slope to bottom of channel. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.79). This pipe was retained under ABO No. 11492 (1975).
 FS Date: 01/22/2014

LM Start	0.77	Rating **	M	Issue No.	12 (cont)
LM End	0.77	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3388.jpg



Concrete headwall visible at LS toe.

Photo 3 of 3 : UCIP_FA_2015_3389.jpg



Concrete outfall visible off WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.93	Rating **	M	Issue No.	13
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.159736 °	39.159736 °
				-122.921042 °	-122.921042 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27894					
DS_ID:21221					
EP_NO: 11488					
FS_HLM: 0.912					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3109.jpg



Concrete headwall on LS toe.

LM Start	0.93	Rating **	M	Issue No.	13 (cont)
LM End	0.93	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3110.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.93	Rating **	M	Issue No.	13 (cont)
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.159736 °	39.159736 °
				-122.921042 °	-122.921042 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27894					
DS_ID:21221					
EP_NO: 11488					
FS_HLM: 0.912					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3111.jpg



Flapgate and headwall off WS toe.

LM Start	0.99	Rating **	M	Issue No.	1
LM End	0.99	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.160108 °	39.160108 °
				-122.922110 °	-122.922110 °
DWR ID	DWR_NA0009_03_s_2012_1				
Action/Comments					
Tank					

Photo 1 of 1 : FA_2015_NA0009_5_1_20150910_00001.jpg



View of the permitted tank on the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	14
LM End	0.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160129 °	39.160129 °
				-122.922117 °	-122.922117 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27903 DS_ID:21248 EP_NO: 11488 FS_HLM: 0.9852 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Siphon breaker standpipe knocked over and covered with dirt. Pipe and appurtances appear to be in disrepair. Gate valves next to tank broken. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-cmp riser on LS shoulder. Screw gate on waterside slope next to pump and 300-gallon tank. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.02). This pipe was retained under ABO No. 11488 (1975). FS Date: 01/22/2014					

Photo 1 of 3 : UCIP_FA_2015_3112.jpg



filler valves on LS toe.

Photo 2 of 3 : UCIP_FA_2015_3113.jpg



Gate valves at tank appear to be in disrepair.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	14 (cont)
LM End	0.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160129 °	39.160129 °
				-122.922117 °	-122.922117 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27903					
DS_ID:21248					
EP_NO: 11488					
FS_HLM: 0.9852					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_3114.jpg



Pump at concrete pad on WS berm.

LM Start	0.99	Rating **	M	Issue No.	15
LM End	0.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160117 °	39.160117 °
				-122.922144 °	-122.922144 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27943 DS_ID:21222 EP_NO: 11488 FS_HLM: 1.01 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some vegetation buildup at inlet and outlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 14.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). This pipe was retained under ABO No. 11488 (1975). FS Date: 01/22/2014					

Photo 1 of 3 : UCIP_FA_2015_3115.jpg



Pipe location marked on crown by flasher.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	15 (cont)
LM End	0.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160117 °	39.160117 °
				-122.922144 °	-122.922144 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:27943
 DS_ID:21222
 EP_NO: 11488
 FS_HLM: 1.01
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some vegetation buildup at inlet and outlet.
 FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 14.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). This pipe was retained under ABO No. 11488 (1975).
 FS Date: 01/22/2014

LM Start	0.99	Rating **	M	Issue No.	15 (cont)
LM End	0.99	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3116.jpg



Headwall and flapgate on WS berm.

Photo 3 of 3 : UCIP_FA_2015_3117.jpg



Concrete Headwall on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.07	Rating **	M	Issue No.	16
LM End	1.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.159803 °	39.159803 °
				-122.923501 °	-122.923501 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:27944					
DS_ID:21223					
EP_NO: 11489					
FS_HLM: 1.06					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.07	Rating **	M	Issue No.	16 (cont)
LM End	1.07	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_3118.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_3119.jpg



Flapgate and headwall visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.07	Rating **	M	Issue No.	16 (cont)	
LM End	1.07	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.159803 °	39.159803 °	
				-122.923501 °	-122.923501 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:27944						
DS_ID:21223						
EP_NO: 11489						
FS_HLM: 1.06						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_3120.jpg



Flasher on crown marks pipe location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 04 Page, Alley and Clover Creek Diversion			Right	1.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/09/2015 - 04/09/2015		11/12/2015 - 11/12/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake County		Tom Smythe Lake County	
			Will Evans Lake County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	10
LM End	0.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176410 °	39.176410 °
				-122.902740 °	-122.902740 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:26907
 DS_ID:21226
 EP_NO: 6303
 FS_HLM: 0.528
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe open on waterwardside and should be plugged.
 FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5-feet below the crown. Steel cutoff wall around the pipe at center of levee. Pipe connects to 4-inch exposed aluminum pipe connected to upstream side of bridge (Permit No. 6303-1969).
 FS Date: 01/09/2014

LM Start	0.53	Rating **	M	Issue No.	10 (cont)
LM End	0.53	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3421.jpg



Pipe visible on upstream side of bridge.

Photo 2 of 3 : UCIP_FA_2015_3422.jpg



Pipe visible on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	10 (cont)
LM End	0.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176410 °	39.176410 °
				-122.902740 °	-122.902740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26907					
DS_ID:21226					
EP_NO: 6303					
FS_HLM: 0.528					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3423.jpg



Pipe open on waterward end.

LM Start	0.54	Rating **	A	Issue No.	5
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.176410 °	39.176410 °
				-122.902590 °	-122.902590 °
DWR ID	DWR_NA0009_04_f_2015_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Lake Co. mowed both slopes.					

Photo 1 of 1 : FA_2015_NA0009_6_5_20151112_00008.jpg



View of acceptable vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.75	Rating **	U	Issue No.	11
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177676 °	39.177676 °
				-122.898917 °	-122.898917 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:43043 DS_ID:21227 EP_NO: 11501 FS_HLM: 0.755 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at connection to flapgate. Good indication pipe may need replacement. Video inspection recommended. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 13.8 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in the 1961 O&M manual This pipe was retained under ABO No. 11501 (1975). FS Date: 01/09/2014					

LM Start	0.75	Rating **	U	Issue No.	11 (cont)
LM End	0.75	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3424.jpg



Flapgate at concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3425.jpg



Pipe and concrete headwall visible in drainage channel on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

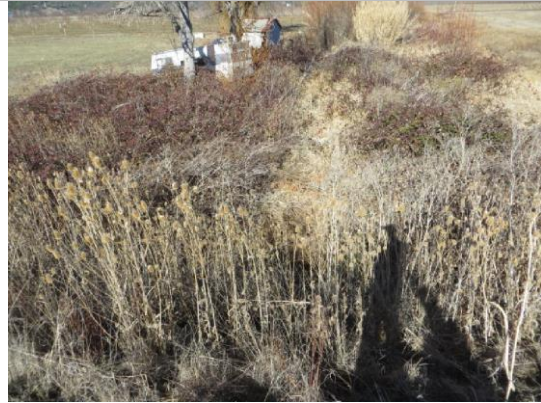
Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.75	Rating **	U	Issue No.	11 (cont)
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177676 °	39.177676 °
				-122.898917 °	-122.898917 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43043					
DS_ID:21227					
EP_NO: 11501					
FS_HLM: 0.755					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3426.jpg



Drainage canal at inlet on LS toe.

LM Start	0.93	Rating **	M	Issue No.	4
LM End	0.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.178990 °	39.178990 °
				-122.896668 °	-122.896668 °
DWR ID	DWR_NA0009_04_f_2015_4				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside slope.					

Photo 1 of 1 : FA_2015_NA0009_6_4_20151112_00007.jpg



View of the prunings along the landside slope.

LM Start	1.05	Rating **	M	Issue No.	2
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.180479 °	39.181947 °
				-122.896567 °	-122.895112 °
DWR ID	DWR_NA0009_04_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim the trees up 5 feet for better visibility.					

Photo 1 of 2 : FA_2015_NA0009_6_2_20150910_00001.jpg



Trim the trees for better visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	11/12/2015 11/12/2015	Bob Duffey

LM Start	1.05	Rating **	M	Issue No.	2 (cont)
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.180479 °	39.181947 °
				-122.896567 °	-122.895112 °
DWR ID	DWR_NA0009_04_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim the trees up 5 feet for better visibility.					

Photo 2 of 2 : FA_2015_NA0009_6_2_20151112_00006.jpg



Trim the trees up 5 feet for better visibility.

LM Start	1.19	Rating **	M	Issue No.	9
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.182154 °	39.182951 °
				-122.895005 °	-122.894409 °
DWR ID	DWR_NA0009_04_s_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the vegetation from the landside toe.					

Photo 1 of 2 : FA_2015_NA0009_6_9_20150910_00002.jpg



View of the vegetation growing at the toe.

LM Start	1.19	Rating **	M	Issue No.	9 (cont)
LM End	1.26	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0009_6_9_20151112_00005.jpg



View of the vegetation at the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 05 Clover Creek and Clover Creek Diversion			Left	1.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/09/2015 - 04/09/2015		11/12/2015 - 11/12/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake County		Tom Smythe Lake County	
			Will Evans Lake County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.30	Rating **	M	Issue No.	3
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.176957 °	39.176957 °
				-122.898673 °	-122.898673 °
DWR ID	DWR_NA0009_05_s_2012_3				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2015_NA0009_7_3_20150910_00001.jpg



View of the elderberry along the landside toe.

LM Start	0.31	Rating **	M	Issue No.	11
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177076 °	39.177076 °
				-122.898879 °	-122.898879 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26897					
DS_ID:21235					
EP_NO: 11507					
FS_HLM: 0.314					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at LS toe.					
FIELD_STRUCT_DESC: 1 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Slide gate on waterward end. Steel					
walkway on waterward slope to slide gate. Concrete headwall on both					
ends. Originally included in 1961 O+M manual. Structure and pipes					
retained under ABO Permit No. 11507 (1975).					
FS Date: 01/09/2014					

Photo 1 of 3 : UCIP_FA_2015_3418.jpg



Slide gate at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	11 (cont)
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177076 °	39.177076 °
				-122.898879 °	-122.898879 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:26897
DS_ID:21235
EP_NO: 11507
FS_HLM: 0.314
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Some sediment buildup at LS toe.
FIELD_STRUCT_DESC: 1 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Slide gate on waterward end. Steel walkway on waterward slope to slide gate. Concrete headwall on both ends. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975).
FS Date: 01/09/2014

LM Start	0.31	Rating **	M	Issue No.	11 (cont)
LM End	0.31	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3419.jpg



Outlet visible at concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3420.jpg



Slide gate at steel walkway on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	12
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177074 °	39.177074 °
				-122.898902 °	-122.898902 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26891					
DS_ID:21234					
EP_NO: 11507					
FS_HLM: 0.315					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.31	Rating **	M	Issue No.	12 (cont)
LM End	0.31	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3415.jpg



Slide gate visible at concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3416.jpg



Outlet visible at concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	12 (cont)
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177074 °	39.177074 °
				-122.898902 °	-122.898902 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26891					
DS_ID:21234					
EP_NO: 11507					
FS_HLM: 0.315					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3417.jpg



Slide gate on steel walkway at WS toe.

LM Start	0.31	Rating **	M	Issue No.	13
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177078 °	39.177078 °
				-122.898926 °	-122.898926 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26888					
DS_ID:21233					
EP_NO: 11507					
FS_HLM: 0.316					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at outlet on LS toe.					
FIELD_STRUCT_DESC: 3 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Concrete headwall on both ends.					
Steel slide gate plate blocks inlet on WS toe. Originally included in					
1961 O+M manual. Structure and pipes retained under ABO Permit No.					
11507 (1975).					
FS Date: 01/09/2014					

Photo 1 of 3 : UCIP_FA_2015_3412.jpg



Steel slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	13 (cont)
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177078 °	39.177078 °
				-122.898926 °	-122.898926 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:26888
 DS_ID:21233
 EP_NO: 11507
 FS_HLM: 0.316
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some sediment buildup at outlet on LS toe.
 FIELD_STRUCT_DESC: 3 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends.
 Steel slide gate plate blocks inlet on WS toe. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975).
 FS Date: 01/09/2014

LM Start	0.31	Rating **	M	Issue No.	13 (cont)
LM End	0.31	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3413.jpg



Outlet visible at concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3414.jpg



Steel slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	14
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177074 °	39.177074 °
				-122.898949 °	-122.898949 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26885					
DS_ID:21232					
EP_NO: 11507					
FS_HLM: 0.317					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.32	Rating **	M	Issue No.	14 (cont)
LM End	0.32	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3381.jpg



Steel plate slide gate visible at headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3410.jpg



Outlet visible at concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	14 (cont)
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177074 °	39.177074 °
				-122.898949 °	-122.898949 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26885					
DS_ID:21232					
EP_NO: 11507					
FS_HLM: 0.317					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3411.jpg



Steel plate slide gate visible at headwall on WS toe.

LM Start	0.32	Rating **	M	Issue No.	15
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177070 °	39.177070 °
				-122.898967 °	-122.898967 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26883					
DS_ID:21231					
EP_NO: 11507					
FS_HLM: 0.318					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup on LS toe.					
FIELD_STRUCT_DESC: 5 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Concrete headwall on both ends					
[Clover Creek Diversion Structure] . Steel slide gate blocks inlet on WS					
toe. Originally included in 1961 O+M manual. Structure and pipes					
retained under ABO Permit No. 11507 (1975).					
FS Date: 01/09/2014					

Photo 1 of 3 : UCIP_FA_2015_3378.jpg



Metal slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	15 (cont)
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177070 °	39.177070 °
				-122.898967 °	-122.898967 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:26883
 DS_ID:21231
 EP_NO: 11507
 FS_HLM: 0.318
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some sediment buildup on LS toe.
 FIELD_STRUCT_DESC: 5 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends [Clover Creek Diversion Structure] . Steel slide gate blocks inlet on WS toe. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975).
 FS Date: 01/09/2014

LM Start	0.32	Rating **	M	Issue No.	15 (cont)
LM End	0.32	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3379.jpg



Pipe visible at concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3380.jpg



Metal slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	16
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177066 °	39.177066 °
				-122.898986 °	-122.898986 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:26877					
DS_ID:21229					
EP_NO: 11507					
FS_HLM: 0.319					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.32	Rating **	M	Issue No.	16 (cont)
LM End	0.32	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3375.jpg



Steel slide gate visible at headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3376.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	11/12/2015 11/12/2015	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	16 (cont)	
LM End	0.32	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.177066 °		39.177066 °
				-122.898986 °		-122.898986 °
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:26877						
DS_ID:21229						
EP_NO: 11507						
FS_HLM: 0.319						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_3377.jpg



Steel slide gate visible at headwall on WS toe.

LM Start	0.56	Rating **	A	Issue No.	10
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.175722 °	39.175722 °
				-122.903070 °	-122.903070 °
DWR ID	DWR_NA0009_05_f_2015_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Lake Co. mowed both slopes.					

Photo 1 of 1 : FA_2015_NA0009_7_10_20151112_00003.jpg



View of acceptable vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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